

ATTACHMENT D

Application For Permit To Drill (APD).  
Environmental Reference Report and Decision Record.  
Riley Ridge Wellfield Development Environmental Factors/Identified  
Mitigating Measures Checklist  
Erosion Control, Revegetation And Restoration Plan (ERRP)

## ATTACHMENT D

### APPLICATION FOR PERMIT TO DRILL (APD) ENVIRONMENTAL REFERENCE REPORT AND DECISION RECORD

In order to make the Riley Ridge EIS and its supporting technical reports usable tools, the following processing procedure will be used for wellfield activities:

<u>Step</u>	<u>Day</u>
1. Initial written request from Company.	1
2. Initial analysis, scoping and ID Team identification	3
3. ID Team field review	15
4. Final analysis and mitigation requirements sent to Company	20
5. Recommendations to BLM District Office	25
6. Approval of APD	30

The purpose of this procedure is to ensure all environmental concerns in the EIS are addressed, minimize time spent on paperwork, and ensure that the Companies have enough information to submit a completed APD.

Step 1 may be made by telephone, but Government will ask for written follow-up. The clock will not start until written request is received. The Riley Ridge sensitivity analysis Record of Decision, EIS, and technical reports will be used to accomplish Step 2. A brief field trip may also be necessary at this time. From this step, the ID Team will be formed and scoping initiated. No later than fifteen days following Step 1, Step 3 will take place with the ID Team in the field, season permitting. The final analysis will take place no more than ten days following Step 3. It will be documented in final form on the attached form. Special problems and special mitigations not covered in the EIS may have to be appended. This document will be sent with recommendations to the BLM District Office.

Within five days following the field inspection, Step 4, BLM will inform the Company of all requirements so that it is able to submit a completed APD.

BLM/USFS  
ENVIRONMENTAL REFERENCE REPORT AND DECISION RECORD  
WILEY RIDGE WEAIRFIELD DEVELOPMENT

1. Applicant \_\_\_\_\_ 2. Case Serial Number or Well Number \_\_\_\_\_ 3. Administrative Area \_\_\_\_\_

4. Project Location: T. \_\_\_\_\_ R. \_\_\_\_\_ S. \_\_\_\_\_

5. Project Description: \_\_\_\_\_

6. Purpose and Need of Project/Proposal \_\_\_\_\_

7. Summary of the Analysis of Environmental Consequences of the Proposed Project and Alternatives:

A. References (On file at BLM offices in Rock Springs and Elnedale, Wyoming; and USFS offices in Big Piney, Wyoming and Supervisor's Office in Jackson, Wyoming).

1. Draft Environmental Impact Statement (DEIS), Final Environmental Impact Statement (FEIS) 3. Sensitivity Analysis (SA)

2. Record of Decision (ROD) 4. \_\_\_\_\_

RECORD OF ANALYSIS

The project/proposal will have the effect indicated on the following elements:

B. Element		Element Was Adequately Addressed in (Give Specific Document Reference - Page Numbers)		Additional Analysis/Field Reconnaissance	Mitigating/Monitoring Measures
Environmental Factors Overlay #	Negligible Effect	Consequential Effect			
Climate, Air Quality 5					
Surface Geology					
Subsurface Geology					
Surface Water 3,4					
Ground Water 3,4					
Fishery 8					
Livestock Grazing					
Terrestrial Wildlife 9 thru 12					

Environmental Factors Overlay #	Negligible Effect	Consequential Effect	Element Was Adequately Addressed in (Give Specific Document Ref- erence - Page Numbers)	Additional Analysis/Field Reconnaissance	Mitigating/Monitoring Measures
Aquatic Wildlife					
12 Recreation, H <sub>2</sub> O					
Receptors 14					
Visual 16, 17, 18					
Land Use/Existing					
Facilities 1, 2, 3					
Socioeconomic Condi-					
tions					
Soils, Vegetation,					
Reclamation 6, 7, 8					
Mandatory Items					
ACEC					
Unique Resources (Identify)					
7AE Species					
(Identify) 12					
Cultural or Historic					
Resources 15					
Wilderness/Wilderness					
Study Area					
Wild/Scenic River					
Flood Plains/Wet-					
lands/etc.					
Prime Source of					
Drinking Water					
Public Health or					
Safety (Site					
Specific)					
Other Factors					
Violates Local/State/ Federal Law					
Involves Uncertain/ Unique Risks					
Involves Unresolved Resource Conflicts					
Sets a Precedent					
Is Highly Controver-					
sial					

1/ Item not addressed in the EIS or other reference documents and/or mitigation not defined.

9. Conclusion:

BLM FS BLH/FS

A. FINDING - Based on the preceding review documented above, including referenced and attached mitigation (6 + 8F, 7 + 7F), I find that this action will (not) have a significant impact on the human environment and, therefore conclude that (no) (an) EA/EIS is necessary.

Prepared by: \_\_\_\_\_ Name \_\_\_\_\_ Agency \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Name \_\_\_\_\_ Agency \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Name \_\_\_\_\_ Agency \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Concur: \_\_\_\_\_ USFS District Rangers \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ BLM Area Manager \_\_\_\_\_ Date \_\_\_\_\_

Recommended Approval: \_\_\_\_\_ Forest Supervisor, Bridger-Teton National Forest \_\_\_\_\_ Date \_\_\_\_\_

B. Decision/Rationale.

1. Decision: The proposal is (approved)(rejected) as (submitted)(modified)(recommended in the Land Report). This recommendation (is)(is not) consistent with the (LVP)(BMP)(NEP)(SMP).

2. Rationale for rejection or modification: \_\_\_\_\_

Approval: \_\_\_\_\_ Name \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

C. Cumulative Impact Assessment/Recommendation: \_\_\_\_\_

D. Irreversible or Irrecoverable Commitment of Resources: \_\_\_\_\_

E. Adverse Residual Impacts (after mitigation): \_\_\_\_\_

F. Additional Mitigation/Monitoring (see attachments): \_\_\_\_\_

G. Specialists Included in this Review: \_\_\_\_\_

# RILEY RIDGE WELLFIELD DEVELOPMENT

## ENVIRONMENTAL FACTORS/IDENTIFIED MITIGATING MEASURES CHECKLIST

<u>Environmental Factors</u>	<u>* Identified Mitigating and Monitoring Measures</u>
Climate, Air Quality	* AQ1, AQ2, H6
Surface Geology	*
Subsurface Geology	* H3, W1, W2
Surface Water	* WF9, WF10, WF12, WF13, WF14, T2; * B.5-30,31,32,33
Ground Water	* W1,W2
Timber	* SV4
Livestock Grazing	* WF2, AQ1, WF5, WF14, SV4
Terrestrial Wildlife	* WF1 thru WF11, WF14, WF15, B.5-49
Aquatic Wildlife	* WF1,WF2, WF5, WF9 thru WF14
Recreation, H <sub>2</sub> S Receptors	* H1 thru H5, AQ2, B.5-47
Visual	* V1 thru V7, SV1, SV4, L2, B.5-41,42
Land Uses/Existing Facilities	* WF1, WF2, SV1, L1,L2, WF4, 2801.2A(3), * 2881.2A(4), B.5-3,48,49.
Socioeconomic Conditions	* S1
Soils, Vegetation, Reclamation	* WF5, WF9, WF10, SV1 thru SV3, T2, SV4, L2; * B.5-34thru 40, B.7.
ACEC	*
Unique Resources	* WF1
T&E Species	* WF1, WF2, WF7, WF8, WF9, WF10, WF13, WF14, * B.5-27, 28, 29
Cultural or Historic Resources	* B.5-43,44,45,46
Wilderness/Wilderness Study Area	* AQ1, H6
Wild/Scenic River	*
Flood Plains/Wetlands/Etc	* WF5, WF9 thru WF14, SV2
Prime Source of Drinking Water	* WF9 thru WF14,
Public Health or Safety	* WF2, WF10, WF12, WF13, H1 thru H5, W1, W2 * AQ1, AQ2, T1, T3, T4
Violates Local/State/Federal Law	* WF1, H1 thru H6
Involves Uncertain/Unique Risks	* W1, W2
Involves Unresolved Resource	*
Conflicts	* W1, W2
Sets a Precedent	* AQ1
Is Highly Controversial	* S1, WF3, WF5, H3, AQ1, H6

## EROSION CONTROL, REVEGETATION AND RESTORATION PLAN (ERRP)

The purpose of developing an ERRP is to allow for cooperative innovation in reclamation of a disturbed area to a predetermined land use for wellfield and treatment plant activities. The following is an outline of topics to be covered in an ERRP, all ERRPs must address these points; however they are not limited to them. Although the ERRP is a formal document, amendments can be approved by the Authorizing Officer. It is important to note that while an ERRP is a site specific document, it must reflect all requirements set forth in Attachment B of the Record of Decision. To aid in the development of ERRPs, refer to Table 5-1 to page 5-13 in the sensitivity analysis technical report.

## EROSION CONTROL, REVEGETATION, AND RESTORATION PLAN (ERRP)

### I. INTRODUCTION

- o Clear identification of reclamation goal
  - This is to be identified by the Federal Land Management (FLM) agency concerned.
- o Short description of activity causing disturbance and project timeframes.
  - Proposed Start Date
  - Duration of Project
  - Completion Date
  - End of Project Life (Estimate)
- o Set timeframes for ERRP.
  - Seasonal reviews to initiate change
  - When plan will be considered implemented

### II. OBLIGATION

- o Exactly who (Individual name, address, phone) is responsible for what in the:
  - Design of Plan\*
  - Execution of Plan\*
  - Monitoring of Progress\*
- \* An experienced and trained professional (i.e. soil scientist, reclamation specialist) that has been approved by the Authorized Officer (AO) is required to prepare and lead the implementation and monitoring of this plan.

### III. SITE MAP FOR PROJECT\* TO INCLUDE:

- o Soil Descriptions and Boundaries
- o Symbols
  - Rock Outcrop
  - Photo Record Point
  - Springs and Wet Spots
- o Location and Volume of Proposed Material Stockpiles
  - Time Material Will be Stored
  - Type of Material in Pile
- o Identify Existing Drainage Patterns
- o Identify Existing Vegetative Cover
- o Identify Existing ORV or Two Track Roads

- \* This information should not just cover the proposed disturbed area but should extend beyond site boundaries by approximately 150 yards.

#### IV. ZERO RUNOFF

- o All Disturbed sites, except linear rights-of-way, will maintain zero runoff\* until the area is stabilized. Stabilization\*\* will be a value that must be clearly defined in the plan.
- o The AO can approve a variance from zero runoff based on detailed site specific analysis that would consider meteorology, topography, water quality and special site design and/or construction measures.

\*Zero runoff for purposes of the ERRP means: no portion of natural or man caused liquid will leave the disturbed area by either surface or sub-surface flow.

\*\*Stabilization for purposes of the ERRP is to mean: that point in time when neither erosion nor deposition occurs which is greater than pre-disturbance. This point must be measurable (site monitoring) and self sustaining, i.e., not dependent on site maintenance.

#### V. EROSION CONTROL MEASURES

- o Description of proposed measures
  - Identify levels of runoff planned for, i.e.: 50 year storm, etc.
  - Include capacity of all retention structures and engineering design.
- o Map locating erosion control measures placement
  - Include Zero Runoff Measures

#### VI. FUGITIVE DUST CONTROL

- o Watering or other approved dust abatement procedures will be done to prevent severe wind erosion and loss of soil materials during construction.
- o Describe
  - How and When

#### VII. REVEGETATION

- o Type
  - Seed
  - Established Stock
- o Site preparation
- o Planting
  - Planting Timeframes
  - Planting Method and Equipment
- o Fertilization program
  - Rationale for Fertilizing or Not Fertilizing

#### VIII. MONITORING SITE RECLAMATION PROGRESS

- o Methods
- o Timeframes
- o Photo Record Station (with location) of site pre-disturbance

#### IX. SITE ABANDONMENT AND RELEASE

- o Include timeframes

#### X. POTENTIAL PROBLEMS

- o Address possible weak points
  - Erosion
  - Slumping
  - ORV Use
    - i.e., cover points that might conflict over ERRP implementation with area land use goals.
  - Snow (management)
  - Company fire policy (weed control) vs. vegetation management goals.